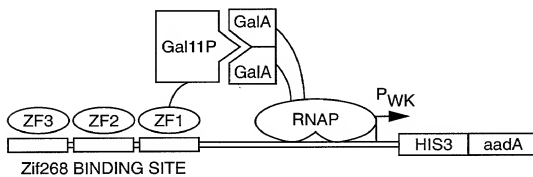


FIG. 1B



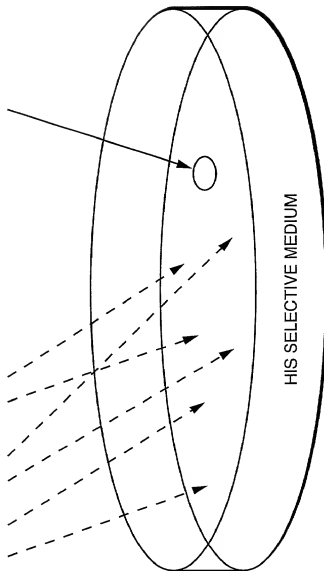
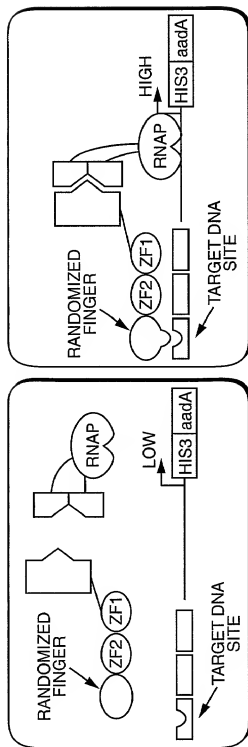


FIG. 2

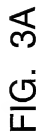
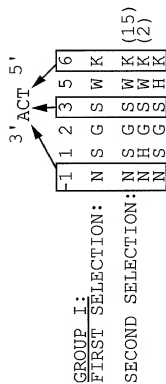


FIG. 3B



GROUP I:

FIRST SELECTION:

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PHAGE DISPLAY
CONSENSUS:

CONSENSUS:

SENT

FROM THE
TATA SELECTION:

FROM THE TATA SELECTION:

-1	1	2	3	5	6
R	R	W	L	K	L
R	K	W	L	K	L

-1	1	2	3	5	6	
R	K	W	L	Q	L	
R	K	W	L	R	L	

FROM THE
p53 SELECTION:

p53 SELECTION:

L L L L
 R R R R
 L L L L
 W W W W
 K K K K
 R R R R

LLL
 MNQ
 LIY
 WWW
 KKK
 RRR

FROM THE
NRE SELECTION:

FROM THE
NRE SELECTION:

LLL
 RKR
 LLL
 WWW
 KKK
 RRR

R K
 A K
 W W
 L Y
 K R
 L L

FIG. 3C

FIG. 3D

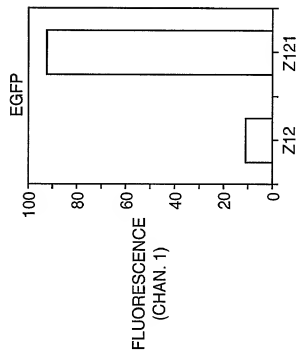


FIG. 4A

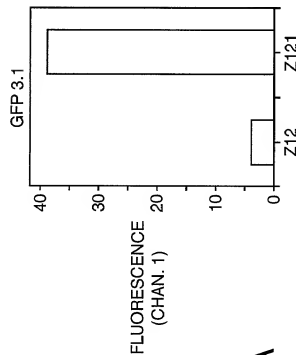


FIG. 4B

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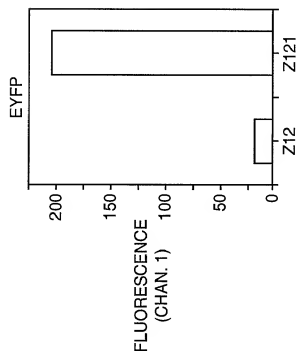


FIG. 4C

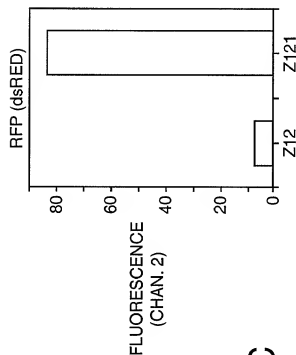
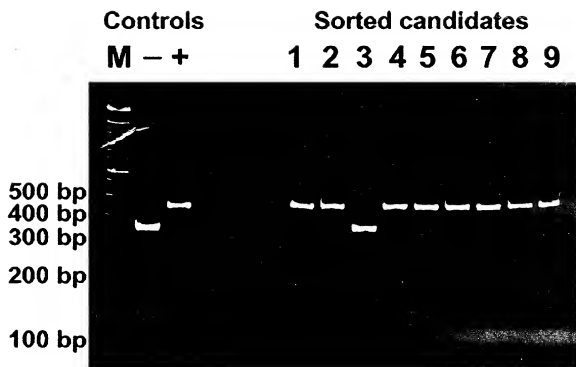


FIG. 4D

**Fig. 5**

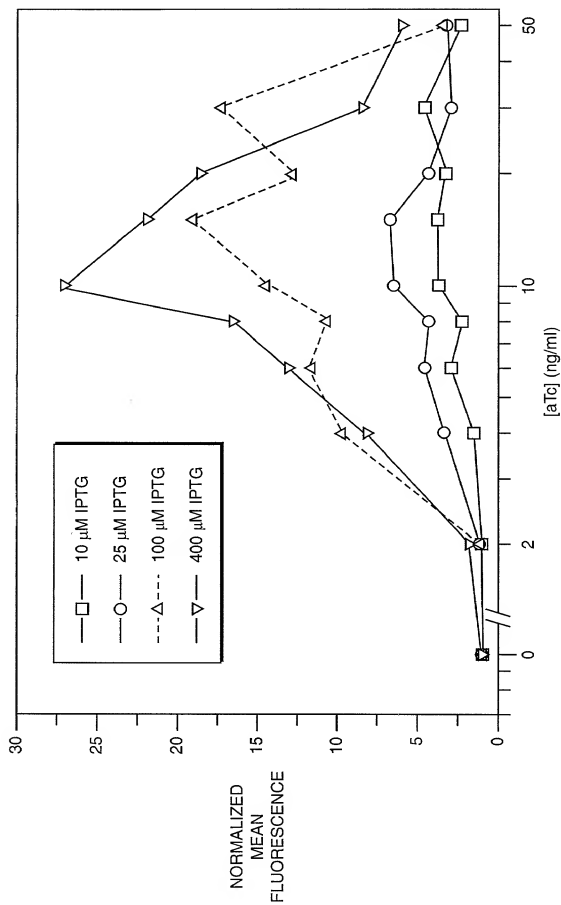


FIG. 6

REPORTER CONSTRUCT #1

REPORTER CONSTRUCT #2

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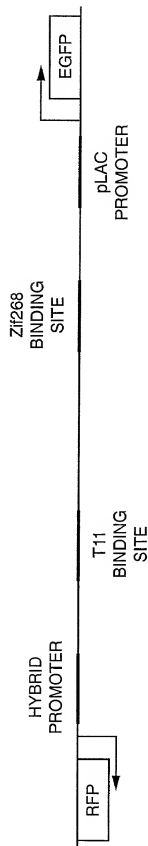


FIG. 7



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TWO-COLOR
REPORTER +
Gal11P-T11
PROTEIN

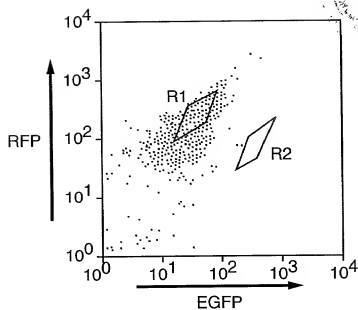


FIG. 8A

TWO-COLOR
REPORTER +
Gal11P-Zif268
PROTEIN

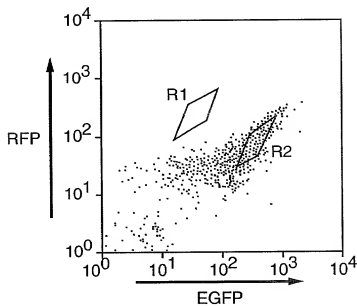


FIG. 8B

TWO-COLOR
REPORTER +
Gal11P-Z12
PROTEIN

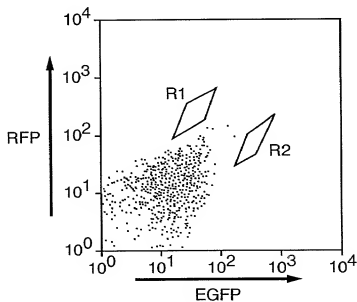


FIG. 8C

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P53^{ZF} *IN VITRO* SITE SELECTION CONSENSUS SEQUENCE:

CXGGACACGTX

(WHERE X = NO CLEAR PREFERENCE)

IN VIVO SITE SELECTION LIBRARY

CGGGANNNNNNG

(WHERE N = A MIXTURE OF A, G, C, AND T)

SELECTED CLONES:

SEQUENCE	# OF CLONES
CGGGAC <u>ACGT</u> G	9
CGGGAC <u>ATGT</u> G	5
CGGGAC <u>ACGG</u> G	2

SEQUENCE	FOLD ACTIVATION
CGGGAC <u>ACGT</u> G	18.6 ± 2.7
CGGGAC <u>ATGT</u> G	12.0 ± 0.5
CGGGAC <u>ACGG</u> G	12.6 ± 1.9

FIG. 9

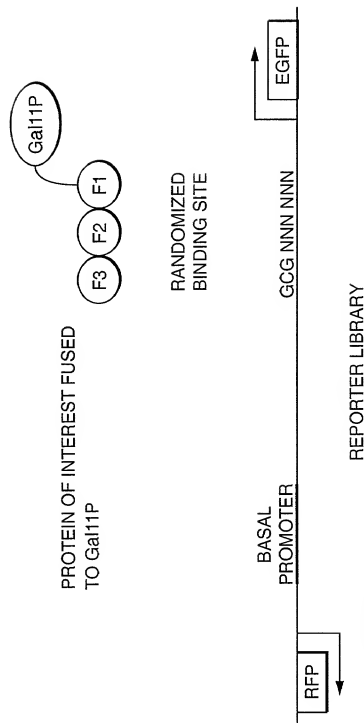
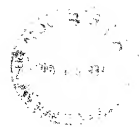


FIG. 10



20100229-29200000

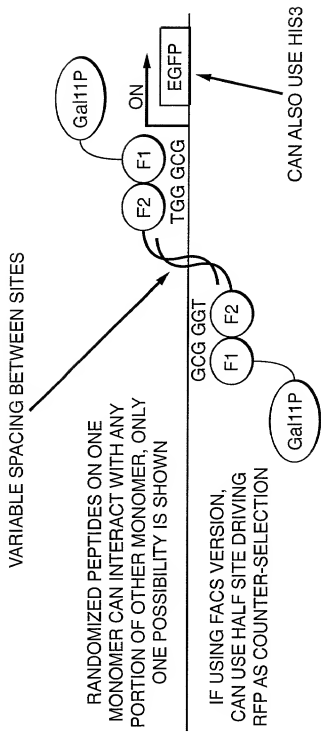
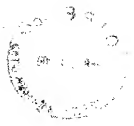
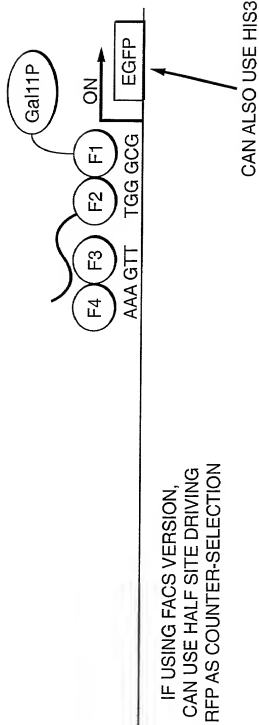


FIG. 11



IF USING FACS VERSION,
CAN USE HALF SITE DRIVING
RFP AS COUNTER-SELECTION

FIG. 12

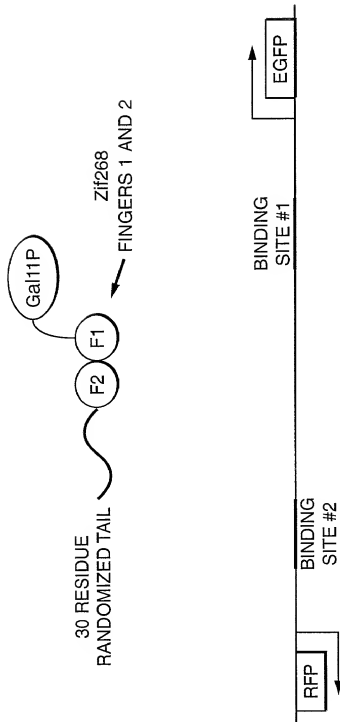
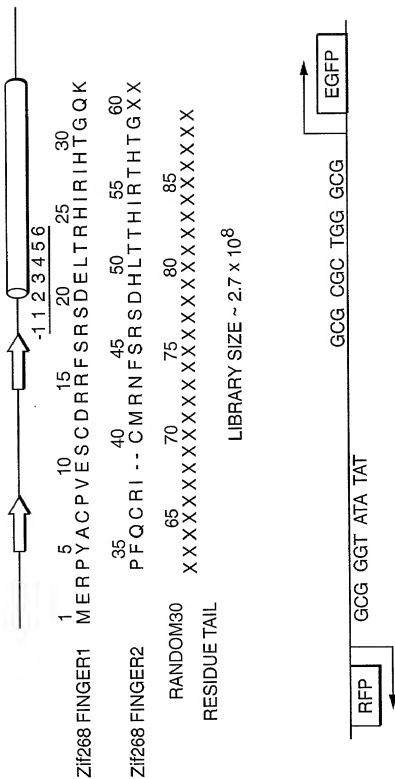
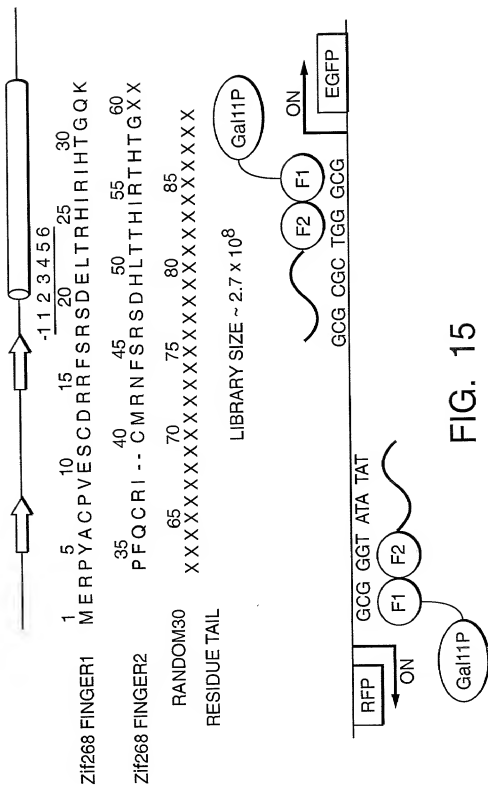


FIG. 13







Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	



FIG. 16

